

FIG.1 (RELATED ART)



FIG.2 (RELATED ART)

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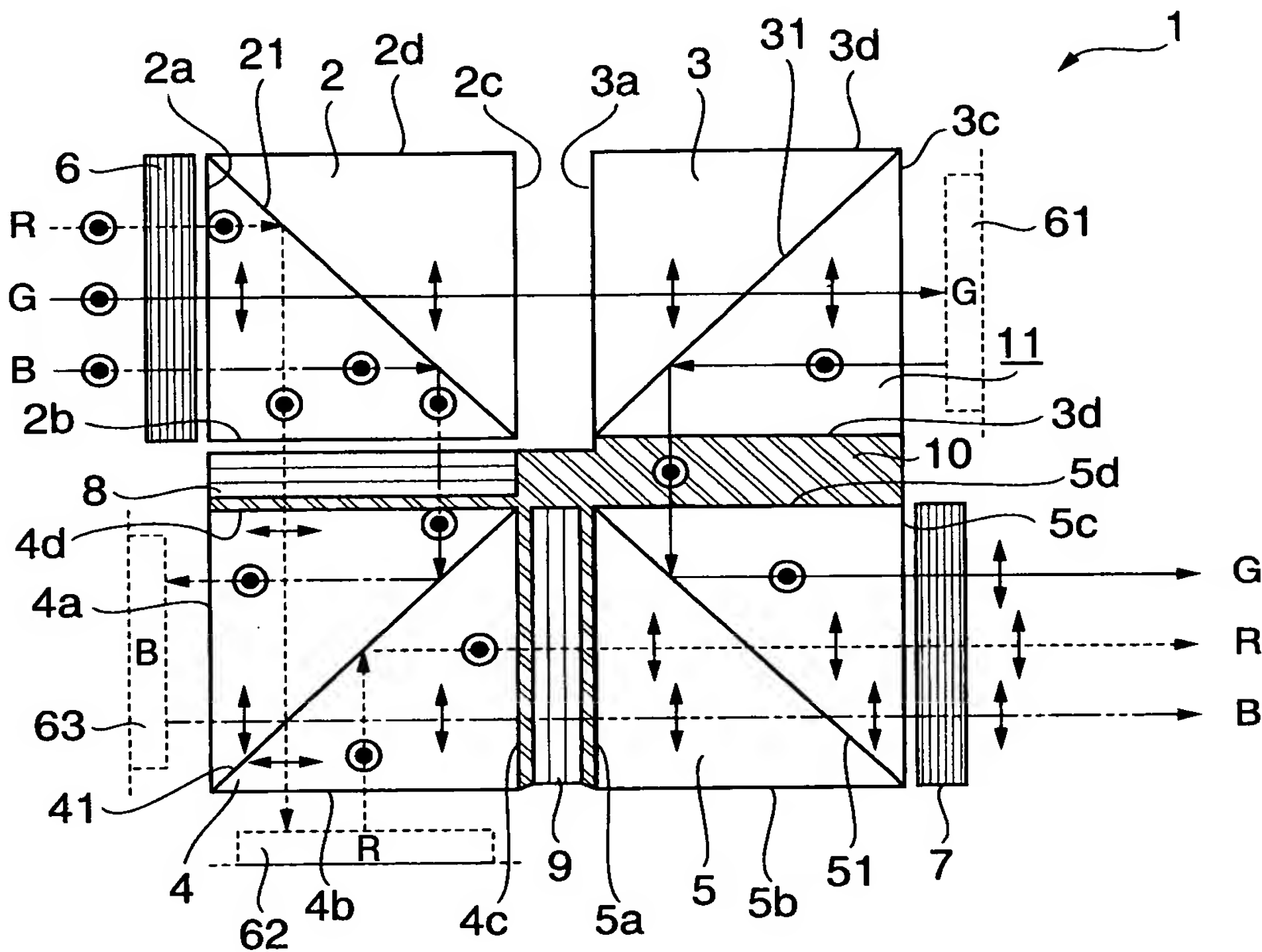


FIG.3

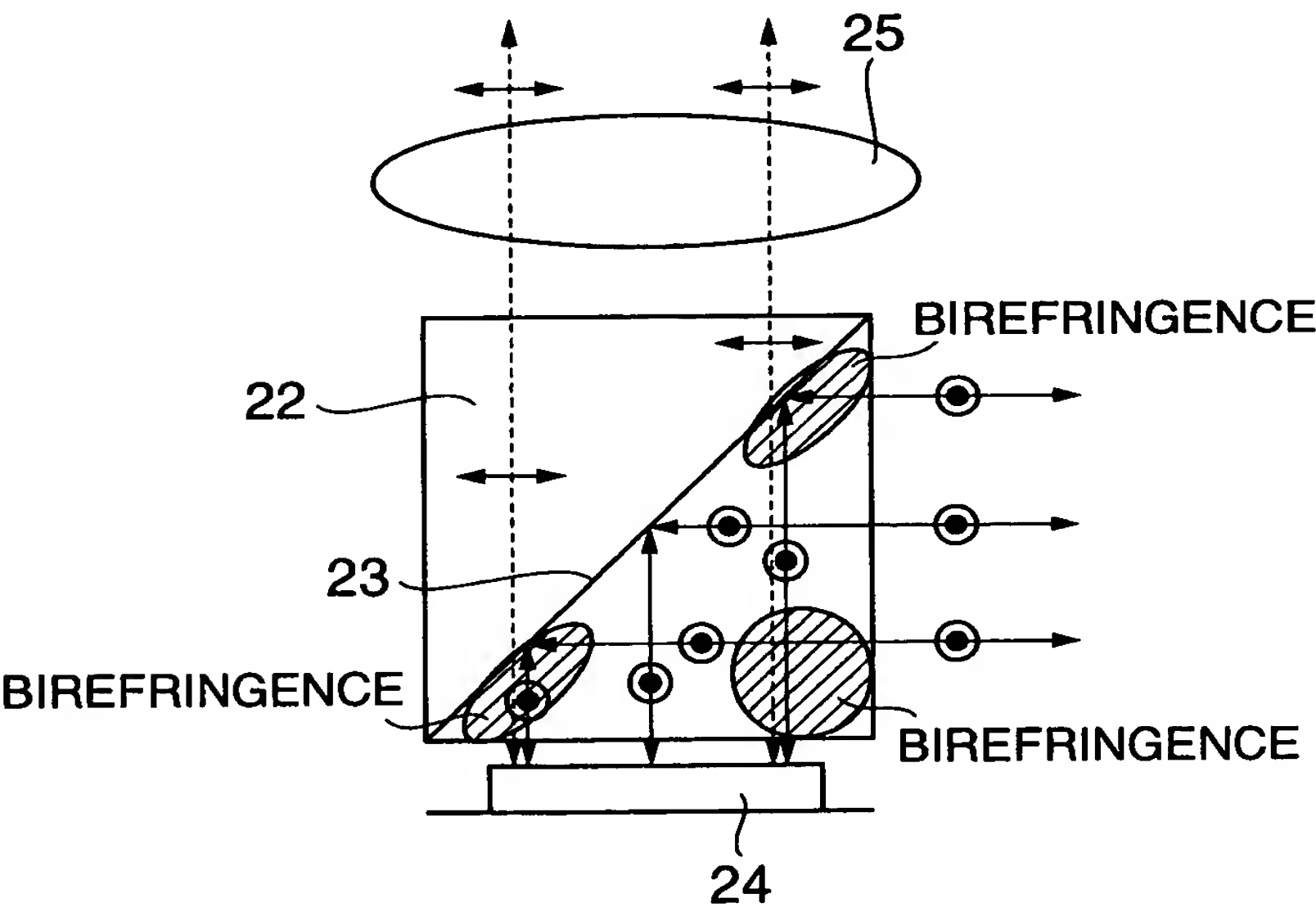


FIG.4

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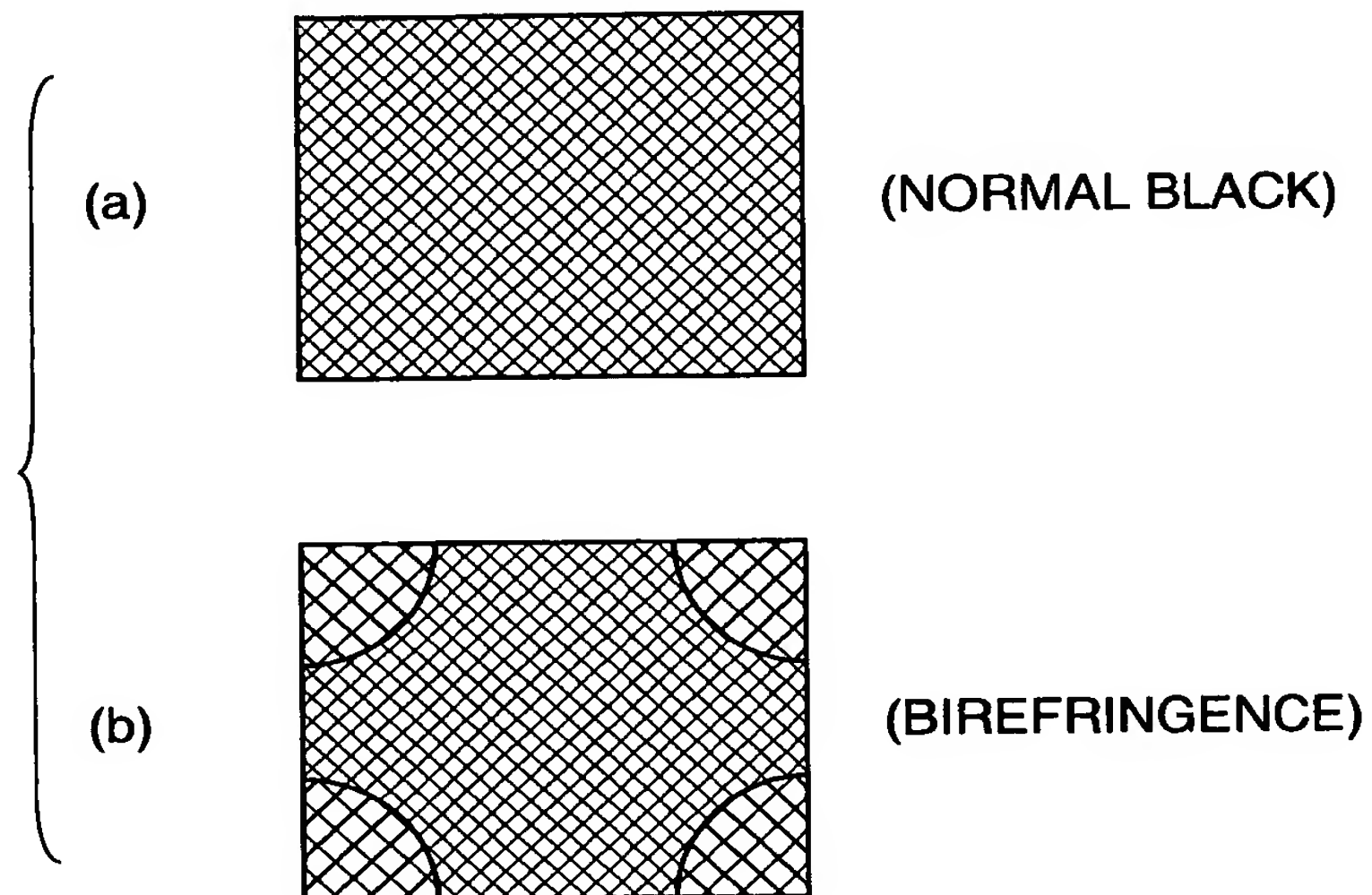


FIG. 5

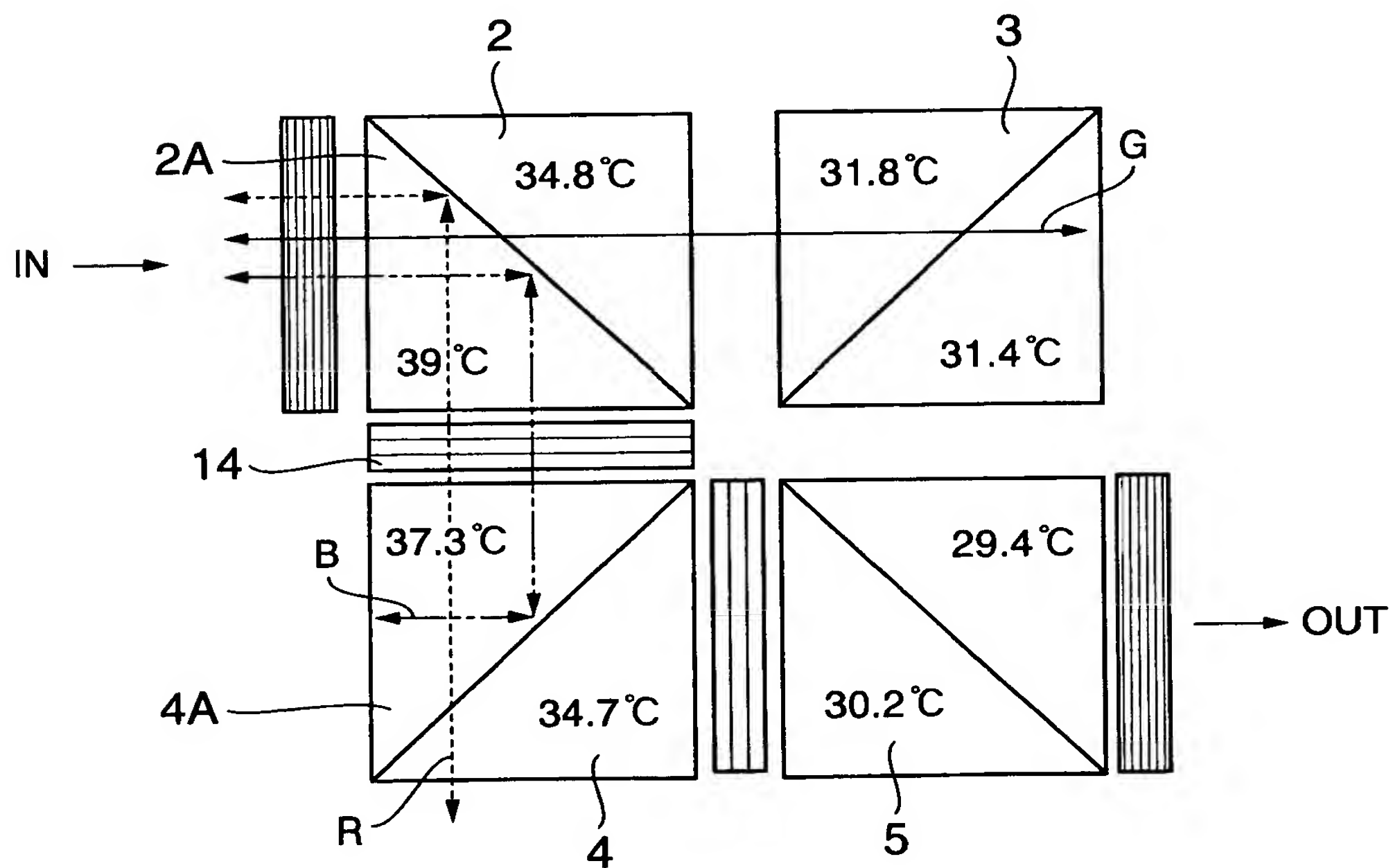


FIG. 6

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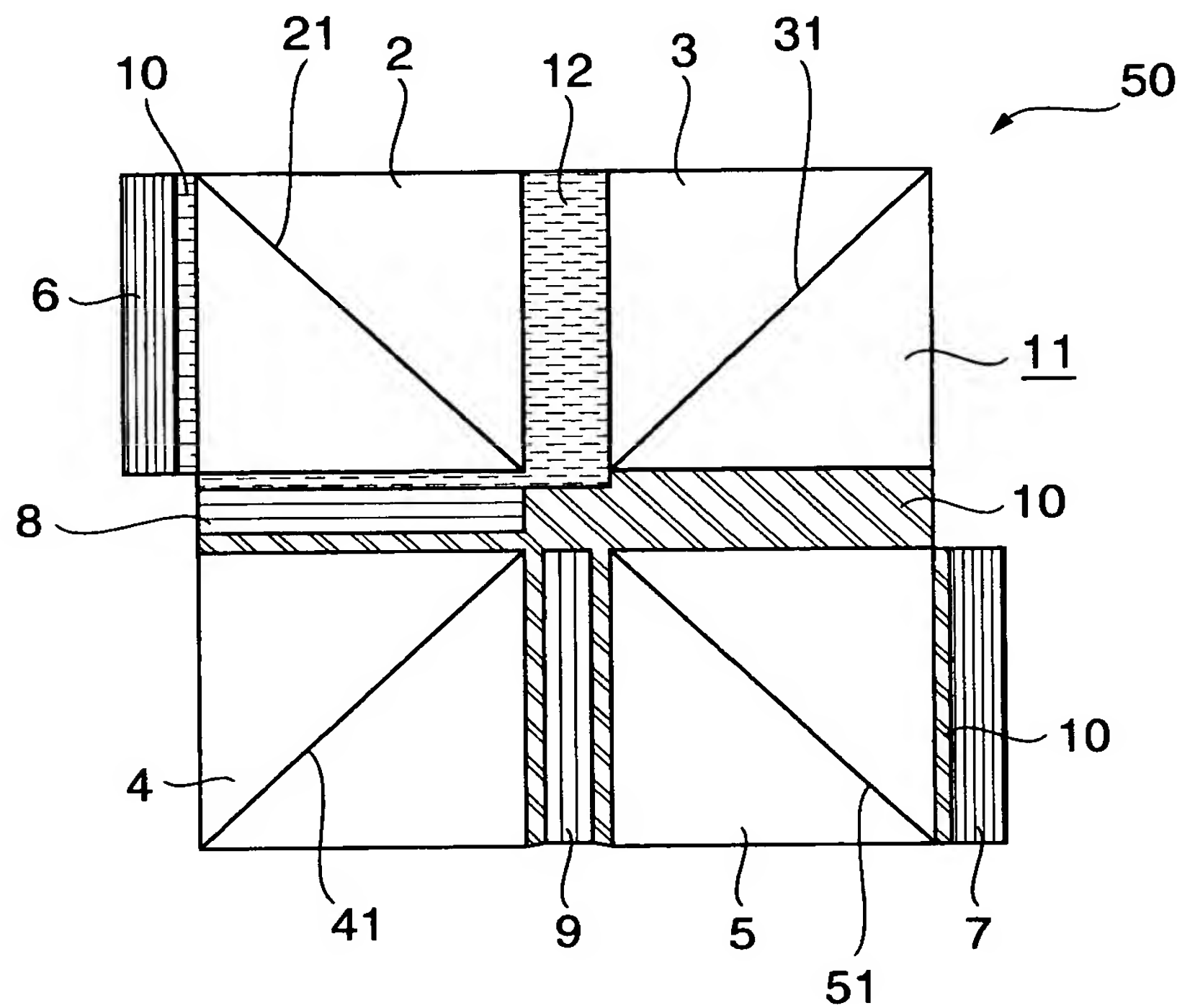


FIG.7

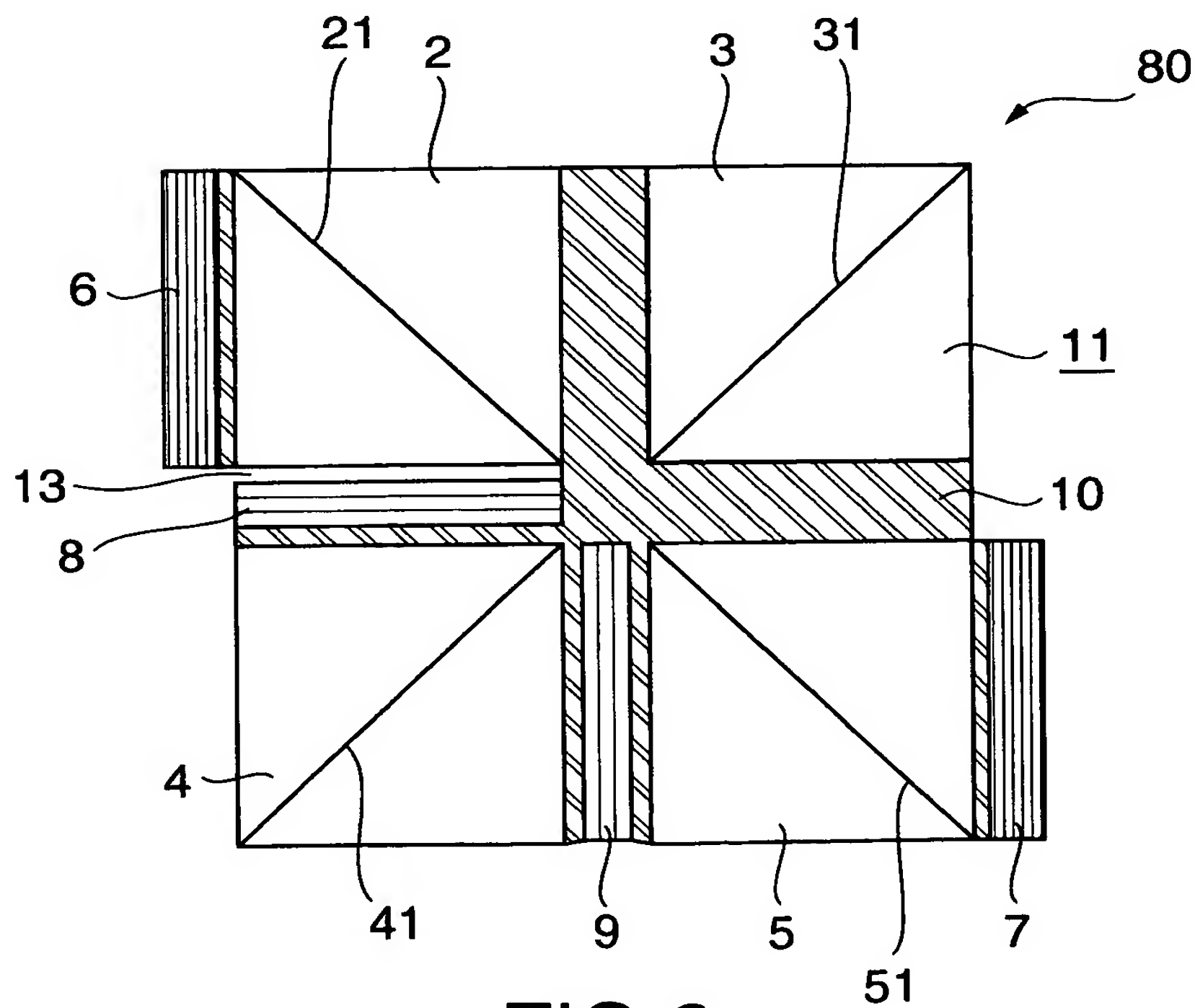


FIG.8

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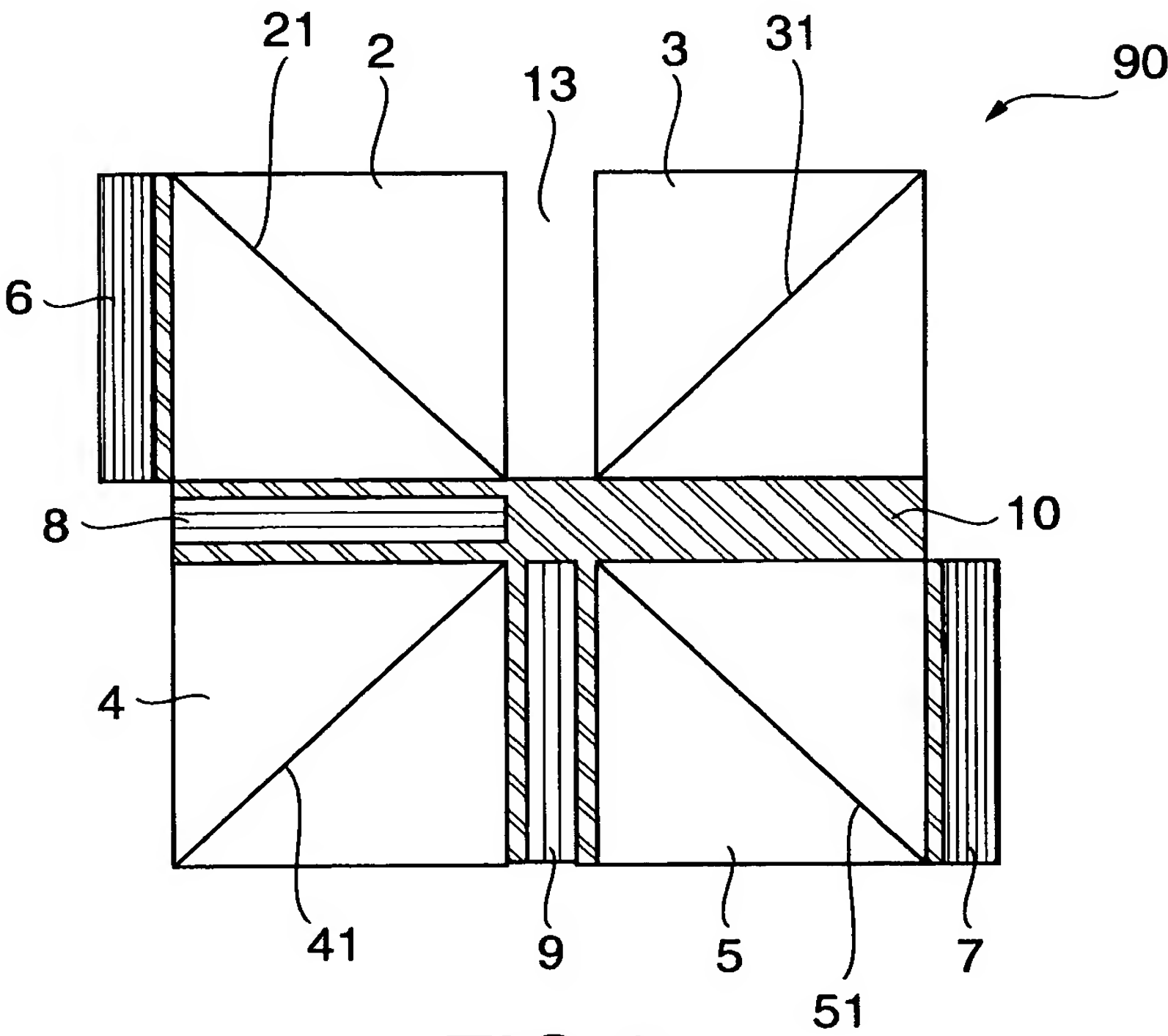


FIG.9

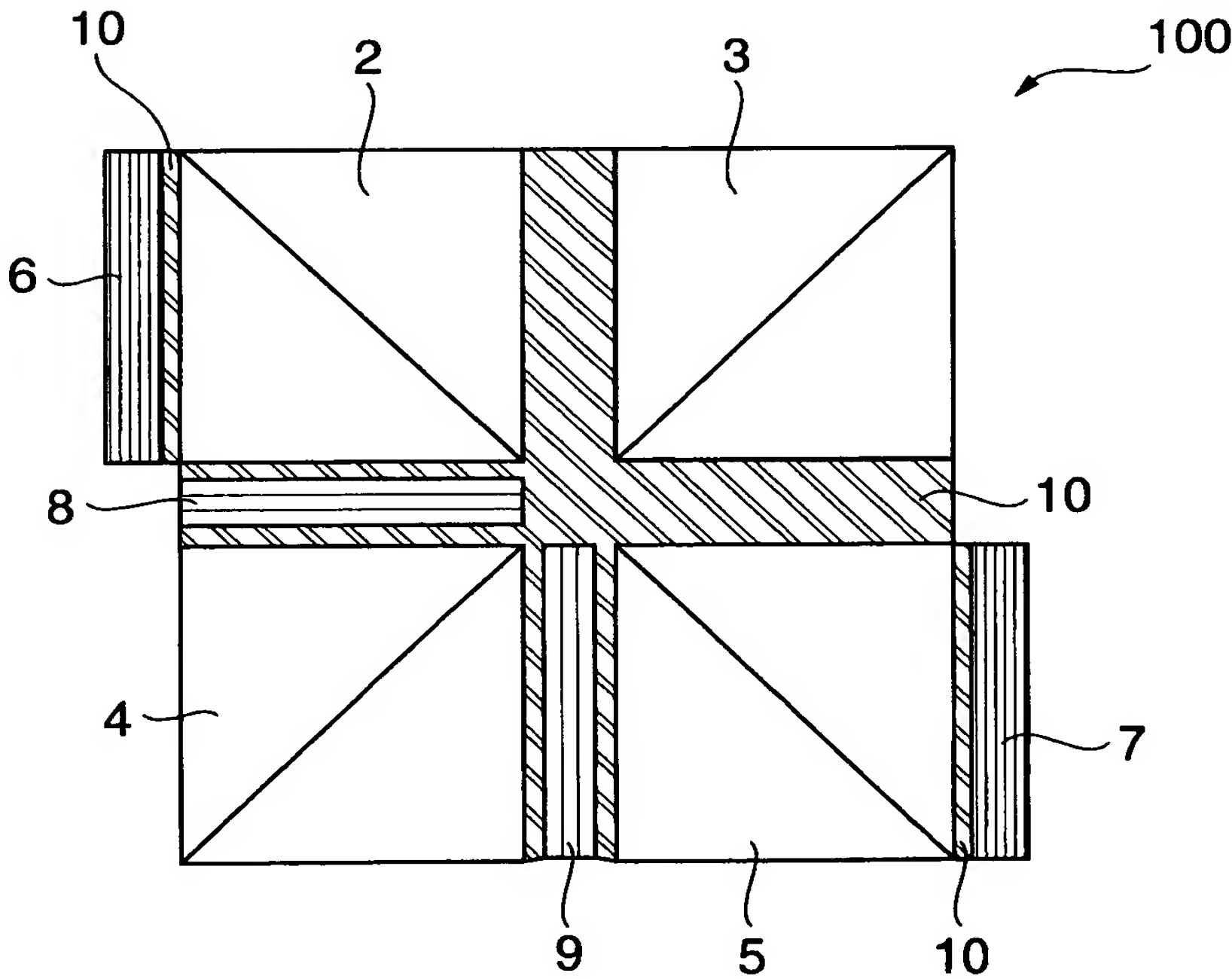


FIG.10

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| LIGHT SOURCE | SAMPLE | PBS-OPTO-ELASTIC CONSTANT (10 ⁻⁸ cm ² /N) | | | | RESULTS |
|--------------|-----------|--|-------------|-------------|-------------|---------|
| | | 1ST | 2ND | 3RD | 4TH | |
| 100 W | SAMPLE 1 | 2.77(BK7) | 2.77(BK7) | 2.77(BK7) | 2.77(BK7) | △ |
| | SAMPLE 2 | 1.8(SF1) | 2.77(BK7) | 2.77(BK7) | 2.77(BK7) | ○ |
| | SAMPLE 3 | 1.36(SF4) | 2.77(BK7) | 2.77(BK7) | 2.77(BK7) | ◎ |
| 150 W | SAMPLE 4 | 2.77(BK7) | 2.77(BK7) | 2.77(BK7) | 2.77(BK7) | × |
| | SAMPLE 5 | 1.8(SF1) | 1.8(SF1) | 1.8(SF1) | 2.77(BK7) | △ |
| | SAMPLE 6 | 1.36(SF4) | 1.36(SF4) | 1.36(SF4) | 2.77(BK7) | ○ |
| | SAMPLE 7 | 1.36(SF4) | 1.8(SF1) | 1.8(SF1) | 2.77(BK7) | ○ |
| | SAMPLE 8 | 0.65(PBH6W) | 2.62(SF2) | 2.62(SF2) | 2.62(SF2) | ○ |
| | SAMPLE 9 | 0.65(PBH6W) | 1.8(SF1) | 1.8(SF1) | 2.62(SF2) | ◎ |
| 200 W | SAMPLE 10 | 1.8(SF1) | 1.8(SF1) | 1.8(SF1) | 1.8(SF1) | × |
| | SAMPLE 11 | 0.65(PBH6W) | 2.62(SF2) | 2.62(SF2) | 2.62(SF2) | △ |
| | SAMPLE 12 | 0.65(PBH6W) | 1.8(SF1) | 1.8(SF1) | 2.62(SF2) | ○ |
| | SAMPLE 13 | 0.65(PBH6W) | 0.65(PBH6W) | 0.65(PBH6W) | 2.62(SF2) | ◎ |
| | SAMPLE 14 | 0.03(PBH55) | 0.65(PBH6W) | 0.65(PBH6W) | 0.65(PBH6W) | ◎ |
| | SAMPLE 15 | 0.03(PBH55) | 0.03(PBH55) | 0.03(PBH55) | 2.62(SF2) | ◎ |

FIG.11

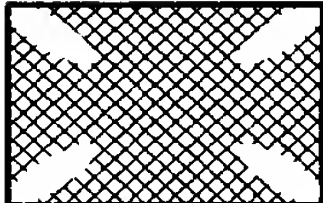
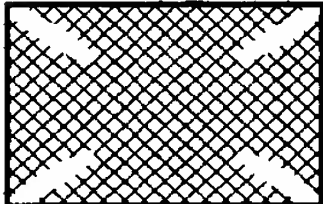
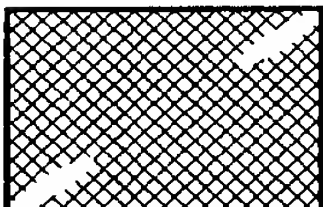
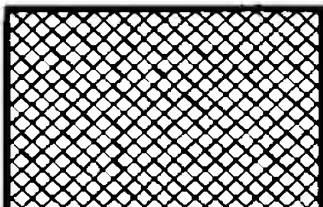
| (GRADE) | (EVALUATION CRITERIA) |
|---|--|
|  | × USELESS DUE TO MUCH BIREFRINGENCE |
|  | △ USEFUL ONLY FOR LOW-QUALITY PROJECTION DISPLAY |
|  | ○ BIREFRINGENCE NOTICED BY CLOSE OBSERVATION |
|  | ◎ NO BIREFRINGENCE OBSERVED |

FIG.12

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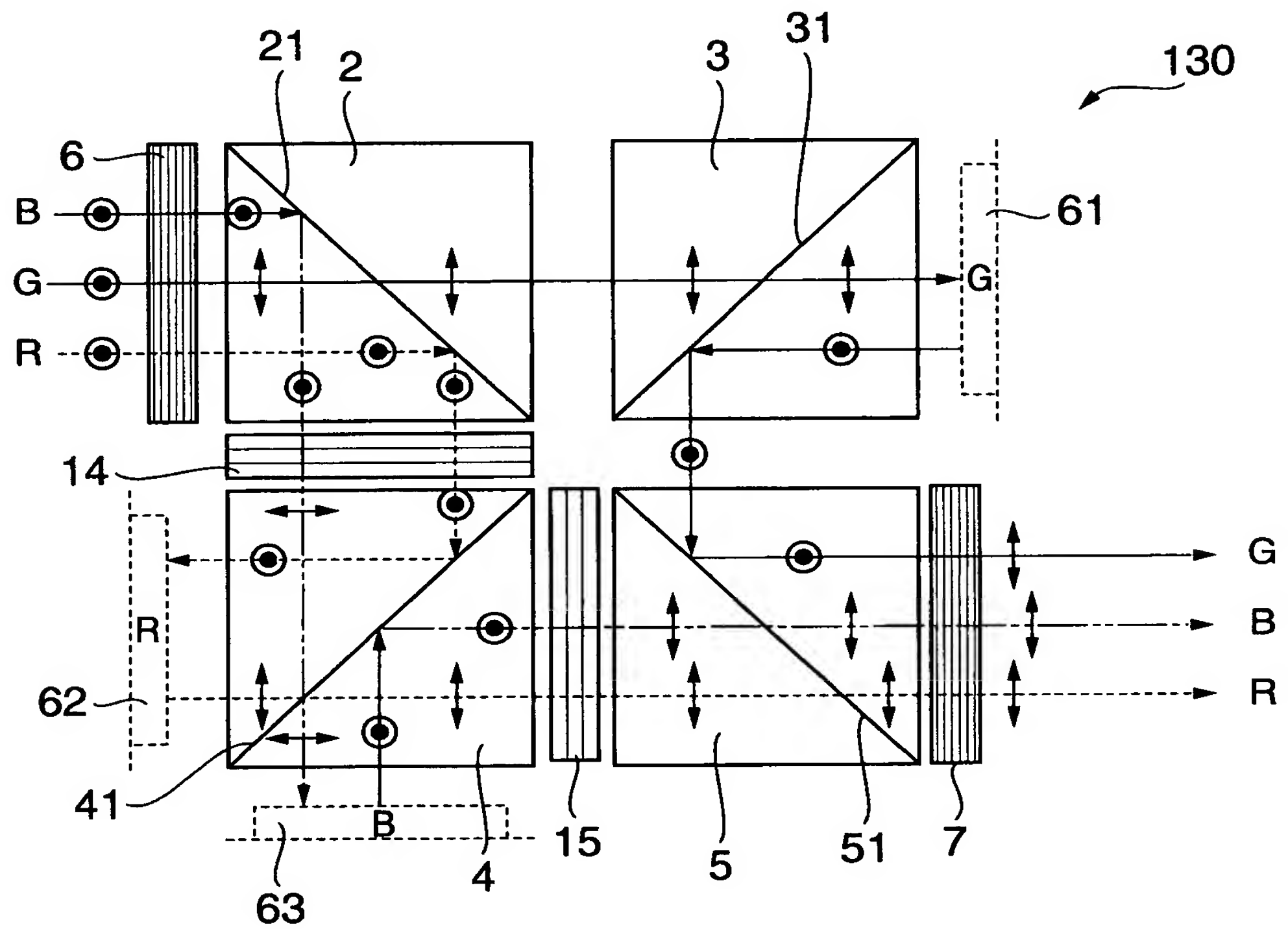


FIG.13

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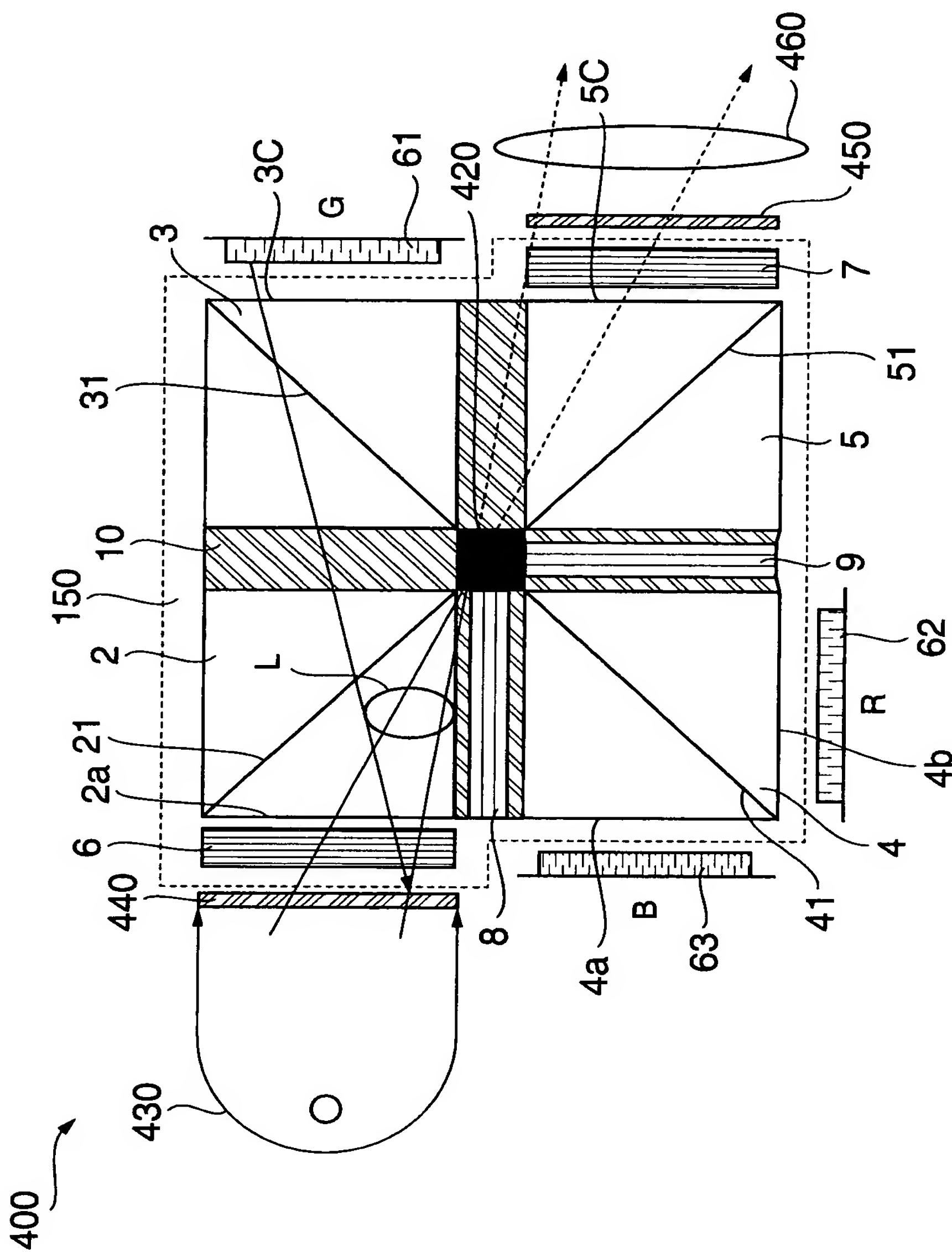


FIG.14

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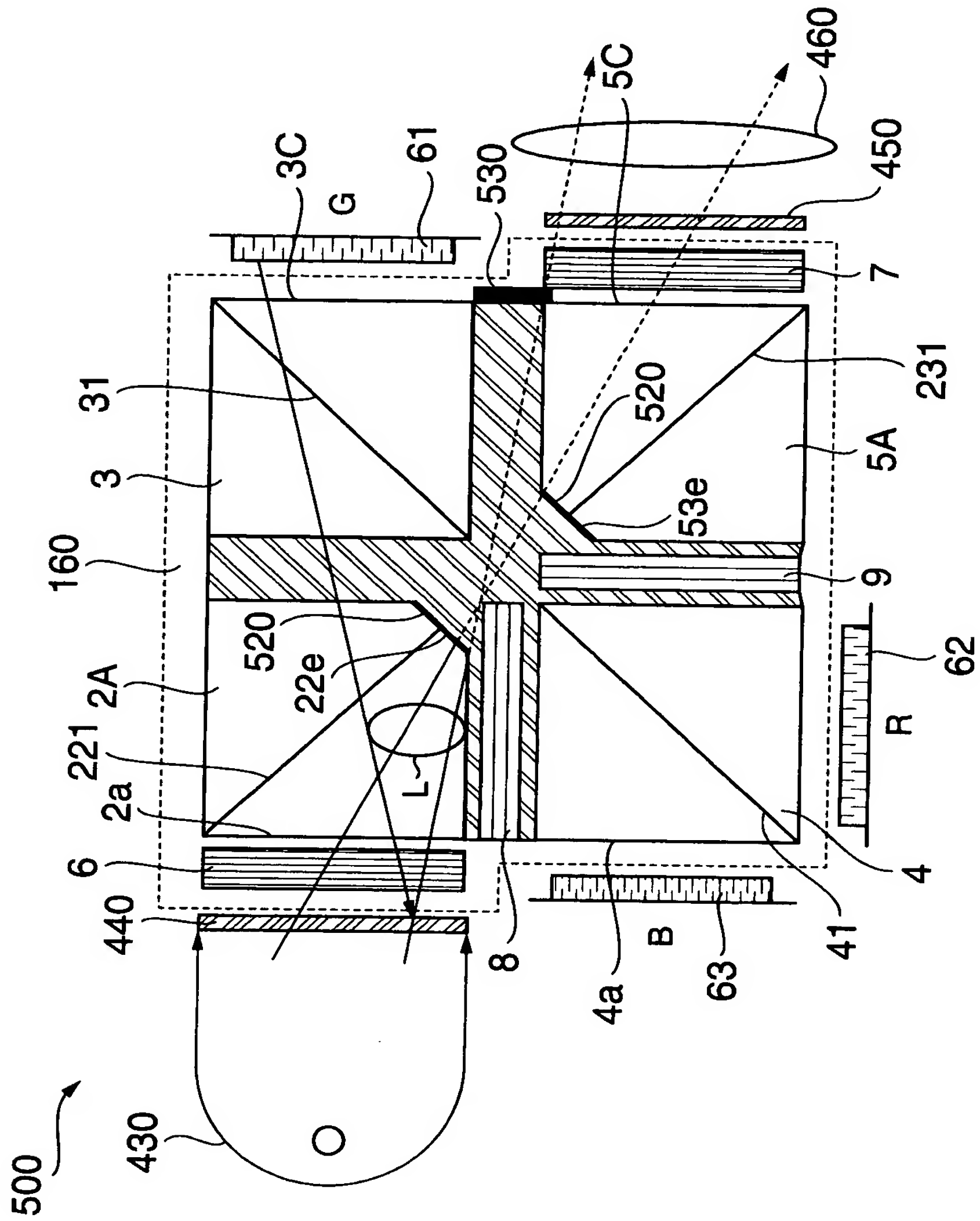


FIG.15



FIG. 16

FIG. 17

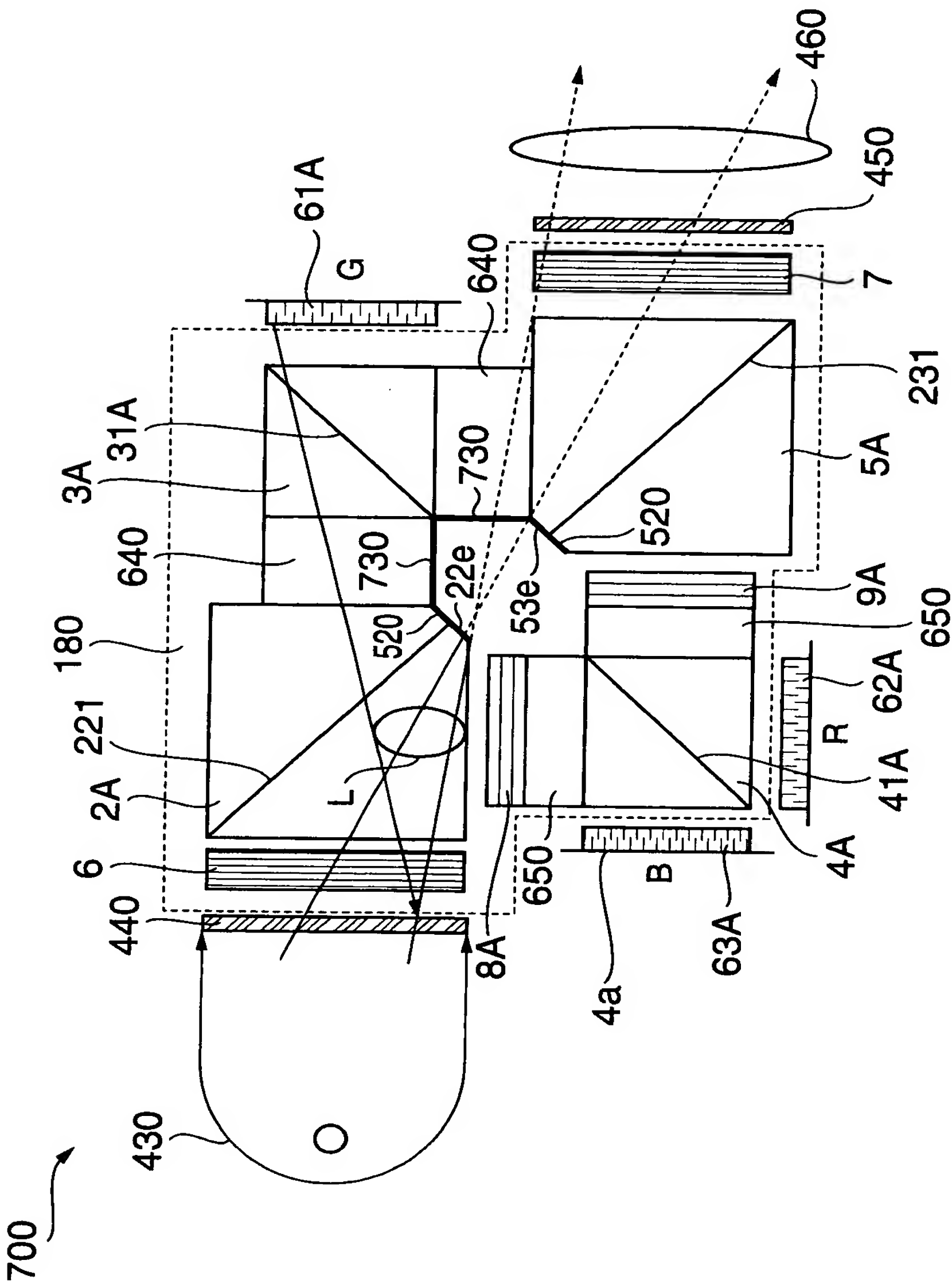


FIG.17